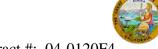
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES Office of Structural Materials Quality Assurance and Source Inspection

Bay Area Branch 690 Walnut Ave.St. 150 Vallejo, CA 94592-1133 (707) 649-5453 (707) 649-5493



Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9

File #: 69.15

SOURCE INSPECTION REPORT

Resident Engineer: Pursell, Gary **Report No:** SIR-001520 Address: 333 Burma Road **Date Inspected:** 02-Apr-2009

City: Oakland, CA 94607

OSM Arrival Time: 1900 **Project Name:** SAS Superstructure **OSM Departure Time:** 700 **Prime Contractor:** American Bridge/Fluor Enterprises, a JV

Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shangha

Quality Control Contact: William (Bill) Oak **Quality Control Present:** Yes No

Material transfer: Yes No N/A **Sampled Items:** Yes No N/A **Stock Transfer:** N/A N/A Yes No OK to Cut: Yes No **Rebar Test Witness:** N/A **Delayed/Cancelled:** Yes N/A Yes No No

Other: Coatings Inspection

Bridge No: 34-0006 **Component:** Sub-Assemblies, Galvanizing Facility

Bid Item: Lot No: 77, 78, 79 B265

Summary of Items Observed:

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Reviewed Special Provisions and Standard Specification relative to miscellaneous metal and galvanizing. Was informed today verbally by Don Jordan that ZPMC Galvanizing Facility was approved for SAS bridge project. Reviewed and attended the required paperwork with ABF Bill Oak to ensure completeness of ZPMC quality control paperwork was in fact proper. Also checked and reviewed Notice of Inspections and filled in any missing reports as well.

Attended and visited ZPMC galvanizing facility with ABF Bill Oak, Don Walton and also in attendance was Andrew Ferng of Caltrans. Observed acid pickling operations and rinsing operations as well as zinc bath/dipping of numerous pieces of base metal not related to the SAS bridge project, dross and ash were visible on the top portion of the zinc tank, also observed were numerous ZPMC personnel grinding and buffing some handrails. Inspection of numerous pieces previously dipped and galvanized revealed numerous defects on galvanized surfaces. The Galvanizing Facility had been operating about one month thus far and appears quite dirty already. Dross was noted on some pieces of iron dipped and ash inclusions were also noted. Miscellaneous metal for SAS bridge project is still having edges conditioned prior to the galvanizing process.

Summary of Conversations:

Requested to Don Jordan to download and print out copies of ASTM standards for Galvanizing as it applies to the SAS bridge project.

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang. (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Carreon, Albert	QA Reviewer